



**Environmental
Laboratories Corporation**



111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

July 19, 2001

Tim Dame
GEI Consultants, Inc.
1021 Main Street
Winchester, MA 01890
TEL: (781) 721-4000
FAX: (781) 721-4073

RECEIVED
JUL 20 2001

GEI CONSULTANTS, INC

RE: MDC-Canton 00291

Order No.: 0106093

Dear Tim Dame:

AMRO Environmental Laboratories Corp. received 15 samples on 6/7/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached. Please see the enclosed Case Narrative for quality control deviations that were encountered during the analyses associated with this project.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 76 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc.

Project: MDC-Canton 00291

Lab Order: 0106093

Work Order Sample Summary

Date Received: 6/7/01

Lab Sample ID	Client Sample ID	Collection Date
0106093-01A	SS-19	6/6/01
0106093-01B	SS-19	6/6/01
0106093-02A	SS-20	6/6/01
0106093-02B	SS-20	6/6/01
0106093-03A	SS-23	6/6/01
0106093-03B	SS-23	6/6/01
0106093-04A	SS-24	6/6/01
0106093-04B	SS-24	6/6/01
0106093-05A	SS-25	6/6/01
0106093-05B	SS-25	6/6/01
0106093-06A	SS-26	6/6/01
0106093-06B	SS-26	6/6/01
0106093-07A	SS-27	6/6/01
0106093-07B	SS-27	6/6/01
0106093-08A	SS-28	6/6/01
0106093-09A	SS-29	6/6/01
0106093-10A	SS-30	6/6/01
0106093-11A	SS-31	6/6/01
0106093-12A	SS-32	6/6/01
0106093-13A	SS-33	6/6/01
0106093-14A	SS-21	6/6/01
0106093-14B	SS-21	6/6/01
0106093-14C	SS-21	6/6/01
0106093-15A	SS-22	6/6/01
0106093-15B	SS-22	6/6/01
0106093-15C	SS-22	6/6/01

Lab Order: 0106093
Client: GEI Consultants, Inc.
Project: MDC-Canton 00291

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0106093-01A	SS-19	6/6/01	Soil	PCBS IN SOIL/SOLIDS		6/19/01	6/20/01
				Percent Moisture			6/13/01
0106093-01B				ICP METALS, 3051/6010		6/14/01	6/15/01
0106093-02A	SS-20			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-02B				ICP METALS, 3051/6010		6/14/01	6/15/01
0106093-03A	SS-23			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-03B				ICP METALS, 3051/6010		6/15/01	6/19/01
0106093-04A	SS-24			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-04B				ICP METALS, 3051/6010		6/14/01	6/15/01
0106093-05A	SS-25			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-05B				ICP METALS, 3051/6010		6/14/01	6/15/01
0106093-06A	SS-26			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-06B				ICP METALS, 3051/6010		6/14/01	6/15/01
0106093-07A	SS-27			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-07B				ICP METALS, 3051/6010		6/14/01	6/15/01
0106093-08A	SS-28			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-09A	SS-29			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-10A	SS-30			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01

Lab Order: 0106093
Client: GEI Consultants, Inc.
Project: MDC-Canton 00291

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0106093-10A	SS-30	6/6/01	Soil	Percent Moisture			6/13/01
0106093-11A	SS-31			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-12A	SS-32			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-13A	SS-33			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				Percent Moisture			6/13/01
0106093-14A	SS-21			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				PCBS IN SOIL/SOLIDS		6/19/01	6/22/01
				Percent Moisture			6/13/01
0106093-14B				ICP METALS, 3051/6010		6/14/01	6/15/01
0106093-14C				EPH, Soil, Carbon Ranges Only		6/13/01	6/15/01
				EPH, Soil, Carbon Ranges Only		6/13/01	6/15/01
				SEMIVOLATILE ORGANICS, Soil/Solids		6/19/01	6/21/01
				SEMIVOLATILE ORGANICS, Soil/Solids		6/19/01	6/20/01
0106093-15A	SS-22			PCBS IN SOIL/SOLIDS		6/19/01	6/21/01
				PCBS IN SOIL/SOLIDS		6/19/01	6/22/01
				Percent Moisture			6/13/01
0106093-15B				ICP METALS, 3051/6010		6/14/01	6/15/01
0106093-15C				EPH, Soil, Carbon Ranges Only		6/13/01	6/15/01
				EPH, Soil, Carbon Ranges Only		6/13/01	6/15/01
				SEMIVOLATILE ORGANICS, Soil/Solids		6/19/01	6/21/01
				SEMIVOLATILE ORGANICS, Soil/Solids		6/19/01	6/20/01
				SEMIVOLATILE ORGANICS, Soil/Solids		6/19/01	6/20/01

AMRO

DOCUMENT NUMBER

1 of 2

AMRO #

0106093

Chain-of-Custody Record

Project Name and Number:

MDC-Canton 00291

Samplers: A. Stone
M. Pineus

Preservative

Analysis

Station No.	Date	Time (hours)	Matrix	Sample Number	No. of Containers	PCBs	Barium + Lead	*EPA	SVOCs	Remarks
SS-19	6/6/01	0910	Soil	00291-SS19	2	X	X			
SS-20		0940		00291-SS20	2	X	X			Hold Sample
SS-21		1000		00291-SS21	3	X	X	X	X	
SS-22		1030		00291-SS22	3	X	X	X	X	
SS-23		1100		00291-SS23	2	X	X			
SS-24		1130		00291-SS24	2	X	X			
SS-25		1200		00291-SS25	2	X	X			
SS-26		1220		00291-SS26	2	X	X			
SS-27		1245		00291-SS27	2	X	X			
SS-28		1400		00291-SS28	1	X				

TAT:

24 hr

48 hr

72 hr

X Normal

Relinquished by:

Date/Time:

Received by:

Relinquished by:

Date/Time:

Received by:

Relinquished by:

Date/Time:

Received by:

Relinquished by:

Date/Time:

Received for Laboratory by:

Method of Shipment:

Lab courier

Remarks:

EPH without PAHS

Remarks:

Φ GEI Consultants, Inc.

FAX

1021 Main Street
Winchester, MA 01890-1970

Tel. (781) 721-4000
Fax (781) 721-4073

5/8/01
date

00291

GEI project
overhead no.

1100

task code
(if required)

number of pages
including this page

TO: AMRD

FAX NO.: 603 - 429 - 8496

FROM: Andrew Stone

MESSAGE:

Please run all samples that have been picked
up for the WDC-Canton Project, project number
00291.

Please call with any questions.
781-721-4082

ENVIRONMENTAL

- Environmental Site Assessment and Remediation
 - RCRA and Superfund Sites
 - Process Engineering
 - Air Quality Engineering
 - Ground Water Modeling
 - Landfills
- ### WATER RESOURCES
- Planning and Design
 - Dam Design and Inspection
 - Hydrology, Flood Routing Studies

GEI SERVICES

GEOTECHNICAL

- Geotechnical Investigations and Reports
- Foundation and Excavation Support Design
- Seismic and Vibration Evaluation and Design
- Rock Mechanics and Blast Engineering
- Tunneling, Microtunneling, and Directional Drilling
- Waterfront Engineering
- Field and Laboratory Testing

GENERAL

- Permitting
- Litigation Support and Expert Testimony
- Construction Monitoring and Management

GEI use, check one: ☐ File ☐ Discard ☐ Return to

SAMPLE RECEIPT CHECKLIST

Client: GEI
Project Name: MSC-CAUTO-00291
Ship via: (circle one) Fed Ex, UPS AMRO Courier,
Hand Del., Other Courier, Other:

AMRO ID: 0106093 (603) 424-2022
Date Rec.: 6-7-01
Date Due: 6-19-01

Items to be Checked Upon Receipt

Yes	No	NA	Comments
-----	----	----	----------

1. Army Samples received in individual plastic bags?

2. Custody Seals present?

3. Custody Seals Intact?

4. Air Bill included in folder if received?

5. Is COC included with samples?

6. Is COC signed and dated by client?

7. Laboratory receipt temperature.

Samples rec. with ice ☒ ice packs 20 neither 20

8. Were samples received the same day they were sampled?

Is client temperature 4°C ± 2°C?

If no obtain authorization from the client for the analyses.

Client authorization from: Date: Obtained by:

9. Is the COC filled out correctly and completely?

10. Does the info on the COC match the samples?

11. Were samples rec. within holding time?

12. Were all samples properly labeled?

13. Were all samples properly preserved?

14. Were proper sample containers used?

15. Were all samples received intact? (none broken or leaking)

16. Were VOA vials rec. with no air bubbles?

17. Were the sample volumes sufficient for requested analysis?

18. Were all samples received?

19. VPH and VOA Soils only:

Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)

Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk

If M or SB:

Does preservative cover the soil?

If NO then client must be faxed.

Does preservation level come close to the fill line on the vial?

If NO then client must be faxed.

Were vials provided by AMRO?

If NO then weights MUST be obtained from client

Was dry weight aliquot provided?

If NO then fax client and inform the VOA lab ASAP.

20. Subcontracted Samples:

What samples sent:

Where sent:

Date:

Analysis:

TAT:

21. Information entered into:

Internal Tracking Log?

Dry Weight Log?

Client Log?

Composite Log?

Filtration Log?

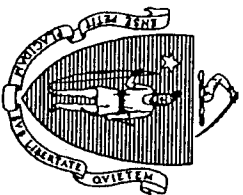
Received By: MG Date: 6-7-01
Labeled By: MG Date: 6-12-01

Logged in By: MG
Checked By: MG

Date: 6-12-01 Date: 6-13-01
Date: 6-13-01

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The Commonwealth of Massachusetts



Department of Environmental Protection Division of Environmental Analysis Senator William X. Wall Experiment Station

certifies

M-NH012 AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

*for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)*

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Dea E. Sarata

Director, Division of Environmental Analysis

Issued: 01 JUL 2001

Expires: 30 JUN 2002

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY)

Analytes and Methods	Effective	01 JUL 2001	Expiration
	Date		30 JUN 2002
ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ASTM D2972-93(C)		TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CA CO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

June 27, 2001

* Provisional Certification

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COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

MA NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY)

Effective 01 JUL 2001
Date

Expiration 30 JUN 2002
Date

Analytes and Methods

ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

June 27, 2001

* Provisional Certification

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CASE NARRATIVE
0106093

GENERAL

1. No QC deviations were observed.

GC/MS-SEMIVOLATILES
SOIL

1. The results for the compounds associated with the internal standard Chrysene-d12 are at higher reporting limits in samples SS-21 (0106093-14C) and SS-22 (0106093-15C) due to non-target sample interference.
2. The Laboratory Control Sample (LCS-4740) had several recoveries outside the laboratory control limits due to a possible concentration error.
3. The Matrix Spike (MS) and Matrix Spike duplicate (MSD) were performed on sample SS-21 (0106093-14C). All %R's and %RPD's were within control limits with the following exceptions:
 - 3.1 The recoveries for 1,2,4-Trichlorobenzene were outside the laboratory control limits (34-95%) in the MS and MSD due to a high concentration of this compound in the native sample.
 - 3.2 The recovery for 2-Chlorophenol was outside the laboratory control limits (36-90%) in the MS.
 - 3.3 Several %RPD's were outside the laboratory control limits.
4. No other QC deviations were observed.

MADEP-EPH
SOIL

1. Samples SS-21 (0106093-14C) and SS-22 (0106093-15C) have the C11-C22 Aromatic range result attributable to non-petroleum compounds (PCB's).
2. The surrogate 1-Chlorooctadecane was outside the laboratory control limits (40-140%) in samples SS-21 (0106093-14C), SS-22 (0106093-15C), and the duplicate 0106093-15C possibly due to matrix interference.

3. No other QC deviations were observed.

GC/ECD-PCB
SOIL

1. The Method Blank (MB-4743) contained Aroclor-1260 at 22.83µg/kg below the laboratory reporting limit 25µg/kg.
2. The surrogate Decachlorobiphenyl was outside the laboratory control limits (20-134%) in samples SS-21 (0106093-14A) and SS-22 (0106093-15A). The surrogate Tetrachloro-m-xylene was outside the laboratory control limits (43-117%) in sample SS-22 (0106093-15A). These failures are possibly due to the high concentrations of Aroclor-1260 in the samples.
3. No other QC deviations were observed.

METALS – SOIL

1. Batch QC sample (0106161-01A) had Matrix Spike Duplicate (MSD) and %RPD outside the acceptance limits for Lead. These failures were possibly due to the sample non-homogeneity.
2. Laboratory Control Sample (LCS) recovery for Lead as well as for Barium was within the acceptance limits.
3. No other QC deviations were observed.

Volatile Petroleum Hydrocarbons (VPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on the use of a purge and trap gas chromatography mass spectrometer (GC/MS) system to analyze samples for VPH. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates potential false positives for the target analytes while providing accurate hydrocarbon range data.

The chromatographic column is an HP-624 capillary column which has been validated by GC/MS analysis of a gasoline standard to correctly identify the marker compounds and elution order of specific gasoline components. Batch quality control includes, at a minimum, method blank, laboratory control sample, and duplicate analysis. A matrix spike and/or matrix spike duplicate is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 0.6-2.8 mg/kg in soil and 25-110 µg/L in water. The RL of this method for the target analytes ranges from approximately 0.05-0.13 mg/kg in soil and 2.0-5.0 µg/L for water samples.

Extractable Petroleum Hydrocarbons (EPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on a solvent extraction and gas chromatography mass spectrometer (GC/MS) analysis. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates the silica gel solid-phase fractionation step. False positives for targeted PAH analytes are eliminated by using GC/MS as the primary analysis technique.

The chromatographic column is a J&W Scientific DB-5ms capillary column. Internal standard calibration is performed using 5α-Androstane at a concentration of 40 ng/µL. o-Terphenyl and 1-Chlorooctadecane are added as surrogate compounds at 20 ng/µL in the sample extract. These two surrogates monitor the effects of the sample matrix and extraction efficiency. Two additional surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, are added to the finished extract prior to analysis to monitor instrument performance. Batch quality control includes, at a minimum, a procedure blank, laboratory control sample and duplicate sample analysis. A matrix spike is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 2-15 mg/kg in soil and 10-50 µg/L in water. The RL of this method for the Target PAH analytes ranges from approximately 0.25 to 0.5mg/kg in soil, 1.0µg/L for water when operating the GC/MS in full scan mode, and 0.1 to 1.0µg/L when operating the GC/MS in SIM mode. For sites requiring the lowest levels cited in the Massachusetts Contingency Plan for water, GC/MS in the Selected Ion Monitoring (SIM) mode is used.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-21
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-14C **Matrix:** SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C			Analyst: KD
Phenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Bis(2-chloroethyl)ether	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2-Chlorophenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
1,3-Dichlorobenzene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
1,4-Dichlorobenzene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Benzyl alcohol	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
2-Methylphenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
1,2-Dichlorobenzene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Bis(2-chloroisopropyl)ether	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
4-Methylphenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
N-Nitrosodi-n-propylamine	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Hexachloroethane	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Nitrobenzene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Isophorone	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2,4-Dimethylphenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Benzoic acid	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
2-Nitrophenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Bis(2-chloroethoxy)methane	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2,4-Dichlorophenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
1,2,4-Trichlorobenzene	12,000	1,400	µg/Kg-dry	5	6/21/01 8:04:00 PM
Naphthalene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
4-Chloroaniline	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Hexachlorobutadiene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
4-Chloro-3-methylphenol	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
2-Methylnaphthalene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Hexachlorocyclopentadiene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2,4,6-Trichlorophenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2,4,5-Trichlorophenol	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2-Chloronaphthalene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2-Nitroaniline	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
Dimethyl phthalate	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2,6-Dinitrotoluene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Acenaphthylene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
3-Nitroaniline	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
4-Nitrophenol	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
2,4-Dinitrophenol	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
Acenaphthene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
2,4-Dinitrotoluene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc.
Lab Order: 0106093
Project: MDC-Canton 00291
Lab ID: 0106093-14C

Client Sample ID: SS-21
Collection Date: 6/6/01
Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed
Dibenzofuran	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Diethyl phthalate	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
4-Chlorophenyl phenyl ether	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Fluorene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
4-Nitroaniline	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
4,6-Dinitro-2-methylphenol	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
N-Nitrosodiphenylamine	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
4-Bromophenyl phenyl ether	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Hexachlorobenzene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Pentachlorophenol	ND	570	µg/Kg-dry	1	6/20/01 7:15:00 PM
Phenanthrene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Anthracene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Carbazole	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Di-n-butyl phthalate	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Fluoranthene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Pyrene	ND	1,400	µg/Kg-dry	5	6/21/01 8:04:00 PM
Butyl benzyl phthalate	ND	1,400	µg/Kg-dry	5	6/21/01 8:04:00 PM
Bis(2-ethylhexyl)phthalate	ND	1,400	µg/Kg-dry	5	6/21/01 8:04:00 PM
3,3'-Dichlorobenzidine	ND	1,400	µg/Kg-dry	5	6/21/01 8:04:00 PM
Benz(a)anthracene	ND	1,400	µg/Kg-dry	5	6/21/01 8:04:00 PM
Chrysene	ND	1,400	µg/Kg-dry	5	6/21/01 8:04:00 PM
Di-n-octyl phthalate	ND	1,400	µg/Kg-dry	5	6/21/01 8:04:00 PM
Benzo(b)fluoranthene	500	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Benzo(k)fluoranthene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Benzo(a)pyrene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Dibenz(a,h)anthracene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Indeno(1,2,3-cd)pyrene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Benzo(g,h,i)perylene	ND	280	µg/Kg-dry	1	6/20/01 7:15:00 PM
Surr. 2-Fluorophenol	56.2	28-93	%REC	1	6/20/01 7:15:00 PM
Surr. Phenol-d5	59.6	31-97	%REC	1	6/20/01 7:15:00 PM
Surr. Nitrobenzene-d5	61.6	32-95	%REC	1	6/20/01 7:15:00 PM
Surr. 2-Fluorobiphenyl	63.0	38-98	%REC	1	6/20/01 7:15:00 PM
Surr. 2,4,6-Tribromophenol	70.8	34-114	%REC	1	6/20/01 7:15:00 PM
Surr. 4-Terphenyl-d14	69.9	41-108	%REC	5	6/21/01 8:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc.
Lab Order: 0106093
Project: MDC-Canton 00291
Lab ID: 0106093-15C

Client Sample ID: SS-22
Collection Date: 6/6/01
Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C			Analyst: KD
Phenol	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Bis(2-chloroethyl)ether	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2-Chlorophenol	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
1,3-Dichlorobenzene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
1,4-Dichlorobenzene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Benzyl alcohol	ND	540	µg/Kg-dry	1	6/20/01 8:36:00 PM
2-Methylphenol	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
1,2-Dichlorobenzene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Bis(2-chloroisopropyl)ether	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
4-Methylphenol	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
N-Nitrosodi-n-propylamine	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Hexachloroethane	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Nitrobenzene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Isophorone	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2,4-Dimethylphenol	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Benzoic acid	ND	540	µg/Kg-dry	1	6/20/01 8:36:00 PM
2-Nitrophenol	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Bis(2-chloroethoxy)methane	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2,4-Dichlorophenol	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
1,2,4-Trichlorobenzene	220,000	27,000	µg/Kg-dry	100	6/21/01 9:22:00 PM
Naphthalene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
4-Chloroaniline	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Hexachlorobutadiene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
4-Chloro-3-methylphenol	ND	540	µg/Kg-dry	1	6/20/01 8:36:00 PM
2-Methylnaphthalene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Hexachlorocyclopentadiene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2,4,6-Trichlorophenol	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2,4,5-Trichlorophenol	430	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2-Chloronaphthalene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2-Nitroaniline	ND	540	µg/Kg-dry	1	6/20/01 8:36:00 PM
Dimethyl phthalate	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2,6-Dinitrotoluene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
Acenaphthylene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
3-Nitroaniline	ND	540	µg/Kg-dry	1	6/20/01 8:36:00 PM
4-Nitrophenol	ND	540	µg/Kg-dry	1	6/20/01 8:36:00 PM
2,4-Dinitrophenol	ND	540	µg/Kg-dry	1	6/20/01 8:36:00 PM
Acenaphthene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM
2,4-Dinitrotoluene	ND	270	µg/Kg-dry	1	6/20/01 8:36:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc.
Lab Order: 0106093
Project: MDC-Canton 00291
Lab ID: 0106093-15C

Client Sample ID: SS-22
Collection Date: 6/6/01
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dibenzofuran	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Diethyl phthalate	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
4-Chlorophenyl phenyl ether	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Fluorene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
4-Nitroaniline	ND	540		µg/Kg-dry	1	6/20/01 8:36:00 PM
4,6-Dinitro-2-methylphenol	ND	540		µg/Kg-dry	1	6/20/01 8:36:00 PM
N-Nitrosodiphenylamine	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
4-Bromophenyl phenyl ether	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Hexachlorobenzene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Pentachlorophenol	ND	540		µg/Kg-dry	1	6/20/01 8:36:00 PM
Phenanthrene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Anthracene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Carbazole	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Di-n-butyl phthalate	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Fluoranthene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Pyrene	ND	2,700		µg/Kg-dry	10	6/20/01 11:43:00 PM
Butyl benzyl phthalate	ND	2,700		µg/Kg-dry	10	6/20/01 11:43:00 PM
Bis(2-ethylhexyl)phthalate	ND	2,700		µg/Kg-dry	10	6/20/01 11:43:00 PM
3,3'-Dichlorobenzidine	ND	2,700		µg/Kg-dry	10	6/20/01 11:43:00 PM
Benz(a)anthracene	ND	2,700		µg/Kg-dry	10	6/20/01 11:43:00 PM
Chrysene	ND	2,700		µg/Kg-dry	10	6/20/01 11:43:00 PM
Di-n-octyl phthalate	ND	2,700		µg/Kg-dry	10	6/20/01 11:43:00 PM
Benzo(b)fluoranthene	720	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Benzo(k)fluoranthene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Benzo(a)pyrene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Dibenz(a,h)anthracene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Indeno(1,2,3-cd)pyrene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Benzo(g,h,i)perylene	ND	270		µg/Kg-dry	1	6/20/01 8:36:00 PM
Surr. 2-Fluorophenol	51.7	28-93		%REC	1	6/20/01 8:36:00 PM
Surr. Phenol-d5	56.3	31-97		%REC	1	6/20/01 8:36:00 PM
Surr. Nitrobenzene-d5	59.8	32-95		%REC	1	6/20/01 8:36:00 PM
Surr. 2-Fluorobiphenyl	58.9	38-98		%REC	1	6/20/01 8:36:00 PM
Surr. 2,4,6-Tribromophenol	70.3	34-114		%REC	1	6/20/01 8:36:00 PM
Surr. 4-Terphenyl-d14	67.4	41-108		%REC	10	6/20/01 11:43:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 H - Method prescribed holding time exceeded
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Jul-01

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

Project: MDC-Canton 00291

QC SUMMARY REPORT

Method Blank

Sample ID	MB-4740	Batch ID: 4740	Test Code: SW8270C	Units: µg/Kg	Analysis Date	6/20/01 5:54:00 PM	Prep Date	6/19/01				
Client ID:		Run ID: SV-4_010620A			SeqNo:	136835						
	QC Sample		QC Spike	Original Sample				Original Sample				
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Phenol	ND	250	µg/Kg									
Bis(2-chloroethyl)ether	ND	250	µg/Kg									
2-Chlorophenol	ND	250	µg/Kg									
1,3-Dichlorobenzene	ND	250	µg/Kg									
1,4-Dichlorobenzene	ND	250	µg/Kg									
Benzyl alcohol	ND	500	µg/Kg									
2-Methylphenol	ND	250	µg/Kg									
1,2-Dichlorobenzene	ND	250	µg/Kg									
Bis(2-chloroisopropyl)ether	ND	250	µg/Kg									
4-Methylphenol	ND	250	µg/Kg									
N-Nitrosodi-n-propylamine	ND	250	µg/Kg									
Hexachloroethane	ND	250	µg/Kg									
Nitrobenzene	ND	250	µg/Kg									
Isophorone	ND	250	µg/Kg									
2,4-Dimethylphenol	ND	250	µg/Kg									
Benzoic acid	ND	500	µg/Kg									
2-Nitrophenol	ND	250	µg/Kg									
Bis(2-chloroethoxy)methane	ND	250	µg/Kg									
2,4-Dichlorophenol	ND	250	µg/Kg									
1,2,4-Trichlorobenzene	ND	250	µg/Kg									
Naphthalene	ND	250	µg/Kg									
4-Chloroaniline	ND	250	µg/Kg									
Hexachlorobutadiene	ND	250	µg/Kg									
4-Chloro-3-methylphenol	ND	500	µg/Kg									
2-Methylnaphthalene	ND	250	µg/Kg									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

QC SUMMARY REPORT

Project: MDC-Canton 00291

Method Blank

	<i>Result</i>	<i>RL</i>	<i>units</i>
Hexachlorocyclopentadiene	ND	250	µg/Kg
2,4,6-Trichlorophenol	ND	250	µg/Kg
2,4,5-Trichlorophenol	ND	250	µg/Kg
2-Chloronaphthalene	ND	250	µg/Kg
2-Nitroaniline	ND	500	µg/Kg
Dimethyl phthalate	ND	250	µg/Kg
2,6-Dinitrotoluene	ND	250	µg/Kg
Acenaphthylene	ND	250	µg/Kg
3-Nitroaniline	ND	500	µg/Kg
4-Nitrophenol	ND	500	µg/Kg
2,4-Dinitrophenol	ND	500	µg/Kg
Acenaphthene	ND	250	µg/Kg
2,4-Dinitrotoluene	ND	250	µg/Kg
Dibenzofuran	ND	250	µg/Kg
Diethyl phthalate	ND	250	µg/Kg
4-Chlorophenyl phenyl ether	ND	250	µg/Kg
Fluorene	ND	250	µg/Kg
4-Nitroaniline	ND	500	µg/Kg
4,6-Dinitro-2-methylphenol	ND	500	µg/Kg
N-Nitrosodiphenylamine	ND	250	µg/Kg
1,2-Diphenylhydrazine (as Azobe	ND	250	µg/Kg
4-Bromophenyl phenyl ether	ND	250	µg/Kg
Hexachlorobenzene	ND	250	µg/Kg
Pentachlorophenol	ND	500	µg/Kg
Phenanthrene	ND	250	µg/Kg
Anthracene	ND	250	µg/Kg
Carbazole	ND	250	µg/Kg
Di-n-butyl phthalate	ND	250	µg/Kg
Fluoranthene	ND	250	µg/Kg
Pyrene	ND	250	µg/Kg
Butyl benzyl phthalate	ND	250	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

QC SUMMARY REPORT

Project: MDC-Canton 00291

Method Blank

	<i>Results</i>	<i>Re</i>	<i>units</i>							
Bis(2-ethylhexyl)phthalate	ND	250	µg/Kg							
3,3'-Dichlorobenzidine	ND	250	µg/Kg							
Benz(a)anthracene	ND	250	µg/Kg							
Chrysene	ND	250	µg/Kg							
Di-n-octyl phthalate	ND	250	µg/Kg							
Benzo(b)fluoranthene	ND	250	µg/Kg							
Benzo(k)fluoranthene	ND	250	µg/Kg							
Benzo(a)pyrene	ND	250	µg/Kg							
Dibenz(a,h)anthracene	ND	250	µg/Kg							
Indeno(1,2,3-cd)pyrene	ND	250	µg/Kg							
Benzo(g,h,i)perylene	ND	250	µg/Kg							
Surr: 2-Fluorophenol	1887	50	µg/Kg	3750	0	50.3	28	93	0	
Surr: Phenol-d5	2092	50	µg/Kg	3750	0	55.8	31	97	0	
Surr: Nitrobenzene-d5	1416	50	µg/Kg	2500	0	56.6	32	95	0	
Surr: 2-Fluorobiphenyl	1463	50	µg/Kg	2500	0	58.5	38	98	0	
Surr: 2,4,6-Tribromophenol	2365	50	µg/Kg	3750	0	63.1	34	114	0	
Surr: 4-Terphenyl-d14	1638	50	µg/Kg	2500	0	65.5	41	108	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

Project: MDC-Canton 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0106093-14CMS	Batch ID:	4740	Test Code:	SW8270C	Units:	µg/Kg-dry	Analysis Date	6/20/01 7:42:00 PM	Prep Date	6/19/01	
Client ID:	SS-21	Run ID:	SV-4_010620A	SeqNo:	137113							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Phenol	2372	280	µg/Kg-dry	4206	0	56.4	32	89	0			
2-Chlorophenol	2369	280	µg/Kg-dry	4206	0	56.3	36	90	0			
1,4-Dichlorobenzene	1688	280	µg/Kg-dry	2804	236.2	51.8	29	84	0			
N-Nitrosodi-n-propylamine	1537	280	µg/Kg-dry	2804	0	54.8	36	90	0			
4-Chloro-3-methylphenol	2609	560	µg/Kg-dry	4206	0	62	37	104	0			
4-Nitrophenol	3504	560	µg/Kg-dry	4206	0	83.3	33	116	0			
Acenaphthene	1671	280	µg/Kg-dry	2804	0	59.6	36	110	0			
2,4-Dinitrotoluene	1480	280	µg/Kg-dry	2804	0	52.8	28	105	0			
Pentachlorophenol	2676	560	µg/Kg-dry	4206	0	63.6	22	112	0			
Pyrene	1700	280	µg/Kg-dry	2804	170.3	54.5	23	123	0			
Surr: 2-Fluorophenol	2526	56	µg/Kg-dry	4206	0	60.1	28	93	0			
Surr: Phenol-d5	2697	56	µg/Kg-dry	4206	0	64.1	31	97	0			
Surr: Nitrobenzene-d5	1835	56	µg/Kg-dry	2804	0	65.4	32	95	0			
Surr: 2-Fluorobiphenyl	1941	56	µg/Kg-dry	2804	0	69.2	38	98	0			
Surr: 2,4,6-Tribromophenol	3309	56	µg/Kg-dry	4206	0	78.7	34	114	0			
Surr: 4-Terphenyl-d14	1889	56	µg/Kg-dry	2804	0	67.4	41	108	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.
 Work Order: 0106093
 Project: MDC-Canton 00291

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID	0106093-14CMSD	Batch ID:	4740	Test Code:	SW8270C	Units:	µg/Kg-dry	Analysis Date	6/20/01 8:09:00 PM	Prep Date	6/19/01	
Client ID:	SS-21	Run ID:	SV-4_010620A	SeqNo:	137114							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Phenol	1496	280	µg/Kg-dry	4200	0	35.6	32	89	2372	45.3	35	R
2-Chlorophenol	1454	280	µg/Kg-dry	4200	0	34.6	36	90	2369	47.9	50	S
1,4-Dichlorobenzene	1082	280	µg/Kg-dry	2800	236.2	30.2	29	84	1688	43.7	27	R
N-Nitrosodi-n-propylamine	1014	280	µg/Kg-dry	2800	0	36.2	36	90	1537	41	38	R
4-Chloro-3-methylphenol	1674	560	µg/Kg-dry	4200	0	39.9	37	104	2609	43.7	33	R
4-Nitrophenol	2212	560	µg/Kg-dry	4200	0	52.7	33	116	3504	45.2	50	
Acenaphthene	1097	280	µg/Kg-dry	2800	0	39.2	36	110	1671	41.5	19	R
2,4-Dinitrotoluene	986.1	280	µg/Kg-dry	2800	0	35.2	28	105	1480	40.1	47	
Pentachlorophenol	1727	560	µg/Kg-dry	4200	0	41.1	22	112	2676	43.1	47	
Pyrene	1264	280	µg/Kg-dry	2800	170.3	39.1	23	123	1700	29.4	36	
Surr: 2-Fluorophenol	1509	56	µg/Kg-dry	4200	0	35.9	28	93	0	0	0	
Surr: Phenol-d5	1598	56	µg/Kg-dry	4200	0	38.1	31	97	0	0	0	
Surr: Nitrobenzene-d5	1119	56	µg/Kg-dry	2800	0	40	32	95	0	0	0	
Surr: 2-Fluorobiphenyl	1169	56	µg/Kg-dry	2800	0	41.8	38	98	0	0	0	
Surr: 2,4,6-Tribromophenol	2043	56	µg/Kg-dry	4200	0	48.7	34	114	0	0	0	
Surr: 4-Terphenyl-d14	1195	56	µg/Kg-dry	2800	0	42.7	41	108	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

Project: MDC-Canton 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0106093-14CMS	Batch ID:	4740	Test Code:	SW8270C	Units:	µg/Kg-dry	Analysis Date	6/21/01 8:30:00 PM	Prep Date	6/19/01		
Client ID:	SS-21			Run ID:	SV-4_010621A			SeqNo:	137048			DF=5	
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua	
1,2,4-Trichlorobenzene	16140	1,400	µg/Kg-dry	2804	12230	140	34	95	0			S	

Sample ID	0106093-14CMSD	Batch ID:	4740	Test Code:	SW8270C	Units:	µg/Kg-dry	Analysis Date	6/21/01 8:56:00 PM	Prep Date	6/19/01		
Client ID:	SS-21			Run ID:	SV-4_010621A			SeqNo:	137049			DF=5	
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua	
1,2,4-Trichlorobenzene	11430	1,400	µg/Kg-dry	2800	12230	-28.5	34	95	16140	34.2	23	SR	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

Project: MDC-Canton 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-4740	Batch ID:	4740	Test Code:	SW8270C	Units:	µg/Kg	Analysis Date	6/20/01 6:21:00 PM	Prep Date	6/19/01	
Client ID:		Run ID:	SV-4_010620A	SeqNo:	136836							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qual
Phenol	730.5	250	µg/Kg	2500	0	29.2	35	92	0			S
2-Chlorophenol	669.5	250	µg/Kg	2500	0	26.8	41	91	0			S
1,4-Dichlorobenzene	551.5	250	µg/Kg	2500	0	22.1	38	85	0			S
N-Nitrosodi-n-propylamine	817.5	250	µg/Kg	2500	0	32.7	40	94	0			S
1,2,4-Trichlorobenzene	695	250	µg/Kg	2500	0	27.8	41	95	0			S
4-Chloro-3-methylphenol	1179	500	µg/Kg	2500	0	47.2	41	95	0			
4-Nitrophenol	1362	500	µg/Kg	2500	0	54.5	42	118	0			
Acenaphthene	1134	250	µg/Kg	2500	0	45.3	44	98	0			
2,4-Dinitrotoluene	1384	250	µg/Kg	2500	0	55.4	45	105	0			
Pentachlorophenol	953	500	µg/Kg	2500	0	38.1	36	102	0			
Pyrene	1415	250	µg/Kg	2500	0	56.6	43	106	0			
Surr: 2-Fluorophenol	992	50	µg/Kg	3750	0	26.5	28	93	0			S
Surr: Phenol-d5	1262	50	µg/Kg	3750	0	33.7	31	97	0			
Surr: Nitrobenzene-d5	804.5	50	µg/Kg	2500	0	32.2	32	95	0			
Surr: 2-Fluorobiphenyl	1048	50	µg/Kg	2500	0	41.9	38	98	0			
Surr: 2,4,6-Tribromophenol	2296	50	µg/Kg	3750	0	61.2	34	114	0			
Surr: 4-Terphenyl-d14	1559	50	µg/Kg	2500	0	62.4	41	108	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc.
Lab Order: 0106093
Project: MDC-Canton 00291
Lab ID: 0106093-14C

Client Sample ID: SS-21
Tag Number:
Collection Date: 6/6/01
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH

C9-C18 Aliphatic Hydrocarbons	120	55		mg/Kg-dry	1	6/15/01 11:21:00 AM
C19-C36 Aliphatic Hydrocarbons	390	55		mg/Kg-dry	1	6/15/01 11:21:00 AM
C11-C22 Aromatic Hydrocarbons	4,600	550	#	mg/Kg-dry	10	6/15/01 2:56:00 PM
Surr: 1-Chlorooctadecane	407	40-140	S	%REC	1	6/15/01 11:21:00 AM
Surr: 2-Bromonaphthalene	105	40-140		%REC	1	6/15/01 11:21:00 AM
Surr: 2-Fluorobiphenyl	90.9	40-140		%REC	1	6/15/01 11:21:00 AM
Surr: o-Terphenyl	106	40-140		%REC	1	6/15/01 11:21:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative
 Were all performance/acceptance standards for required QA/QC procedures achieved: ☐ Yes ☒ No - If No, See Case Narrative
 Were any significant modifications made to the method as specified in section 11.3: ☐ Yes ☒ No - Details enclosed
I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Nancy Stewart **DATE:** 6-25-01
PRINTED NAME: Nancy Stewart **POSITION:** Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.
 ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative
 B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc.
Lab Order: 0106093
Project: MDC-Canton 00291
Lab ID: 0106093-15C

Client Sample ID: SS-22
Tag Number:
Collection Date: 6/6/01
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH

Analyst: GG

C9-C18 Aliphatic Hydrocarbons	390	57		mg/Kg-dry	1	6/15/01 12:32:00 PM
C19-C36 Aliphatic Hydrocarbons	1,200	57		mg/Kg-dry	1	6/15/01 12:32:00 PM
C11-C22 Aromatic Hydrocarbons	12,000	570	#	mg/Kg-dry	10	6/15/01 4:07:00 PM
Surr. 1-Chlorooctadecane	4,600	40-140	S	%REC	1	6/15/01 12:32:00 PM
Surr. 2-Bromonaphthalene	80.4	40-140		%REC	1	6/15/01 12:32:00 PM
Surr. 2-Fluorobiphenyl	72.9	40-140		%REC	1	6/15/01 12:32:00 PM
Surr. o-Terphenyl	101	40-140		%REC	1	6/15/01 12:32:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

☒ Yes

☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved:

☐ Yes

☐ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

☐ No

☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

6-25-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: 06-Jul-01

CLIENT: GEI Consultants, Inc.
 Work Order: 0106093
 Project: MDC-Canton 00291

QC SUMMARY REPORT
 Method Blank

Sample ID	MB-4688	Batch ID:	4688	Test Code:	MAEPH	Units:	mg/Kg	Analysis Date	6/15/01 6:02:00 AM	Prep Date	6/13/01	
Client ID:		Run ID:	SV-2_010614A	SeqNo:	135238							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
C9-C18 Aliphatic Hydrocarbons	ND	50	mg/Kg									
C19-C36 Aliphatic Hydrocarbons	ND	50	mg/Kg									
C11-C22 Aromatic Hydrocarbons	ND	50	mg/Kg									
Surr: 1-Chlorooctadecane	0.7225	0.25	mg/Kg	1	0	72.2	40	140	0			
Surr: 2-Bromonaphthalene	4.926	0.25	mg/Kg	5	0	98.5	40	140	0			
Surr: 2-Fluorobiphenyl	4.789	0.25	mg/Kg	5	0	95.8	40	140	0			
Surr: o-Terphenyl	0.7575	0.25	mg/Kg	1	0	75.8	40	140	0			

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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

Project: MDC-Canton 00291

QC SUMMARY REPORT

Sample Duplicate

Sample ID	0106093-15CDUP	Batch ID:	4688	Test Code:	MAEPH	Units:	mg/Kg-dry	Analysis Date	6/15/01 1:08:00 PM	Prep Date	6/13/01	
Client ID:	SS-22	Run ID:	SV-2_010614A	SeqNo:	135270							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
C9-C18 Aliphatic Hydrocarbons	366.6	55	mg/Kg-dry	0	0	0	0	0	388.2	5.73	50	
C19-C36 Aliphatic Hydrocarbons	1101	55	mg/Kg-dry	0	0	0	0	0	1152	4.54	50	
Surr: 1-Chlorooctadecane	48.92	0.27	mg/Kg-dry	1.094	0	4470	40	140	0	0	0	S
Surr: 2-Bromonaphthalene	5.229	0.27	mg/Kg-dry	5.472	0	95.6	40	140	0	0	0	
Surr: 2-Fluorobiphenyl	4.571	0.27	mg/Kg-dry	5.472	0	83.5	40	140	0	0	0	
Surr: o-Terphenyl	1.022	0.27	mg/Kg-dry	1.094	0	93.4	40	140	0	0	0	

Sample ID	0106093-15CDUP	Batch ID:	4688	Test Code:	MAEPH	Units:	mg/Kg-dry	Analysis Date	6/15/01 4:43:00 PM	Prep Date	6/13/01	
Client ID:	SS-22	Run ID:	SV-2_010614A	SeqNo:	135297							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
C11-C22 Aromatic Hydrocarbons	9957	550	mg/Kg-dry	0	0	0	0	0	12000	18.6	50	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.
 Work Order: 0106093
 Project: MDC-Canton 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-4688	Batch ID:	4688	Test Code:	MAEPH	Units:	mg/Kg	Analysis Date	6/15/01 6:37:00 AM	Prep Date	6/13/01	
Client ID:		Run ID:	SV-2_010614A	SeqNo:	135239							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
n-Eicosane	1.059	0.25	mg/Kg	1.25	0	84.7	40	140	0			
n-Nonadecane	0.9725	0.25	mg/Kg	1.25	0	77.8	40	140	0			
n-Nonane	0.7238	0.25	mg/Kg	1.25	0	57.9	40	140	0			
n-Octacosane	1.154	0.25	mg/Kg	1.25	0	92.3	40	140	0			
n-Tetradecane	0.9588	0.25	mg/Kg	1.25	0	76.7	40	140	0			
Naphthalene	0.9825	0.25	mg/Kg	1.25	0	78.6	40	140	0			
Acenaphthene	1.016	0.25	mg/Kg	1.25	0	81.3	40	140	0			
Anthracene	1.051	0.25	mg/Kg	1.25	0	84.1	40	140	0			
Pyrene	1.004	0.25	mg/Kg	1.25	0	80.3	40	140	0			
Chrysene	0.9575	0.25	mg/Kg	1.25	0	76.6	40	140	0			
Surr: 1-Chlorooctadecane	0.8188	0.25	mg/Kg	1	0	81.9	40	140	0			
Surr: 2-Bromonaphthalene	5.446	0.25	mg/Kg	5	0	109	40	140	0			
Surr: 2-Fluorobiphenyl	5.326	0.25	mg/Kg	5	0	107	40	140	0			
Surr: o-Terphenyl	0.835	0.25	mg/Kg	1	0	83.5	40	140	0			

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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-19
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-01A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	270		µg/Kg-dry	10	6/20/01 11:49:00 PM
Aroclor 1221	ND	270		µg/Kg-dry	10	6/20/01 11:49:00 PM
Aroclor 1232	ND	270		µg/Kg-dry	10	6/20/01 11:49:00 PM
Aroclor 1242	ND	270		µg/Kg-dry	10	6/20/01 11:49:00 PM
Aroclor 1248	ND	270		µg/Kg-dry	10	6/20/01 11:49:00 PM
Aroclor 1254	ND	270		µg/Kg-dry	10	6/20/01 11:49:00 PM
Aroclor 1260	550	270		µg/Kg-dry	10	6/20/01 11:49:00 PM
Surr: Tetrachloro-m-xylene	70.8	43-117		%REC	10	6/20/01 11:49:00 PM
Surr: Decachlorobiphenyl	68.6	20-134		%REC	10	6/20/01 11:49:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-20
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-02A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	260		µg/Kg-dry	10	6/21/01 12:42:00 AM
Aroclor 1221	ND	260		µg/Kg-dry	10	6/21/01 12:42:00 AM
Aroclor 1232	ND	260		µg/Kg-dry	10	6/21/01 12:42:00 AM
Aroclor 1242	ND	260		µg/Kg-dry	10	6/21/01 12:42:00 AM
Aroclor 1248	ND	260		µg/Kg-dry	10	6/21/01 12:42:00 AM
Aroclor 1254	ND	260		µg/Kg-dry	10	6/21/01 12:42:00 AM
Aroclor 1260	17,000	1,300		µg/Kg-dry	50	6/21/01 5:01:00 PM
Surr: Tetrachloro-m-xylene	60.8	43-117		%REC	10	6/21/01 12:42:00 AM
Surr: Decachlorobiphenyl	70.5	20-134		%REC	10	6/21/01 12:42:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-23
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-03A **Matrix:** SOIL

Analytes	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	310		µg/Kg-dry	10	6/21/01 1:09:00 AM
Aroclor 1221	ND	310		µg/Kg-dry	10	6/21/01 1:09:00 AM
Aroclor 1232	ND	310		µg/Kg-dry	10	6/21/01 1:09:00 AM
Aroclor 1242	ND	310		µg/Kg-dry	10	6/21/01 1:09:00 AM
Aroclor 1248	ND	310		µg/Kg-dry	10	6/21/01 1:09:00 AM
Aroclor 1254	ND	310		µg/Kg-dry	10	6/21/01 1:09:00 AM
Aroclor 1260	20,000	610		µg/Kg-dry	20	6/21/01 5:27:00 PM
Surr: Tetrachloro-m-xylene	73.0	43-117		%REC	10	6/21/01 1:09:00 AM
Surr: Decachlorobiphenyl	81.2	20-134		%REC	10	6/21/01 1:09:00 AM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-24
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-04A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Atoclor 1016	ND	360		µg/Kg-dry	10	6/21/01 1:35:00 AM
Atoclor 1221	ND	360		µg/Kg-dry	10	6/21/01 1:35:00 AM
Atoclor 1232	ND	360		µg/Kg-dry	10	6/21/01 1:35:00 AM
Atoclor 1242	ND	360		µg/Kg-dry	10	6/21/01 1:35:00 AM
Atoclor 1248	ND	360		µg/Kg-dry	10	6/21/01 1:35:00 AM
Atoclor 1254	ND	360		µg/Kg-dry	10	6/21/01 1:35:00 AM
Atoclor 1260	4,000	360		µg/Kg-dry	10	6/21/01 1:35:00 AM
Surr: Tetrachloro-m-xylene	72.7	43-117		%REC	10	6/21/01 1:35:00 AM
Surr: Decachlorobiphenyl	67.2	20-134		%REC	10	6/21/01 1:35:00 AM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc.
Lab Order: 0106093
Project: MDC-Canton 00291
Lab ID: 0106093-05A

Client Sample ID: SS-25
Collection Date: 6/6/01
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Arclor 1016	ND	300		µg/Kg-dry	10	6/21/01 2:02:00 AM
Arclor 1221	ND	300		µg/Kg-dry	10	6/21/01 2:02:00 AM
Arclor 1232	ND	300		µg/Kg-dry	10	6/21/01 2:02:00 AM
Arclor 1242	ND	300		µg/Kg-dry	10	6/21/01 2:02:00 AM
Arclor 1248	ND	300		µg/Kg-dry	10	6/21/01 2:02:00 AM
Arclor 1254	ND	300		µg/Kg-dry	10	6/21/01 2:02:00 AM
Arclor 1260	2,100	300		µg/Kg-dry	10	6/21/01 2:02:00 AM
Surr: Tetrachloro-m-xylene	74.2	43-117		%REC	10	6/21/01 2:02:00 AM
Surr: Decachlorobiphenyl	78.8	20-134		%REC	10	6/21/01 2:02:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 H - Method prescribed holding time exceeded
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 # - See Case Narrative

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-26
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-06A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	670		µg/Kg-dry	10	6/21/01 2:28:00 AM
Aroclor 1221	ND	670		µg/Kg-dry	10	6/21/01 2:28:00 AM
Aroclor 1232	ND	670		µg/Kg-dry	10	6/21/01 2:28:00 AM
Aroclor 1242	ND	670		µg/Kg-dry	10	6/21/01 2:28:00 AM
Aroclor 1248	ND	670		µg/Kg-dry	10	6/21/01 2:28:00 AM
Aroclor 1254	ND	670		µg/Kg-dry	10	6/21/01 2:28:00 AM
Aroclor 1260	2,200	670		µg/Kg-dry	10	6/21/01 2:28:00 AM
Surr: Tetrachloro-m-xylene	77.3	43-117		%REC	10	6/21/01 2:28:00 AM
Surr: Decachlorobiphenyl	67.8	20-134		%REC	10	6/21/01 2:28:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-27
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-07A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	380		µg/Kg-dry	10	6/21/01 2:55:00 AM
Aroclor 1221	ND	380		µg/Kg-dry	10	6/21/01 2:55:00 AM
Aroclor 1232	ND	380		µg/Kg-dry	10	6/21/01 2:55:00 AM
Aroclor 1242	ND	380		µg/Kg-dry	10	6/21/01 2:55:00 AM
Aroclor 1248	ND	380		µg/Kg-dry	10	6/21/01 2:55:00 AM
Aroclor 1254	5,400	380		µg/Kg-dry	10	6/21/01 2:55:00 AM
Aroclor 1260	1,400	380		µg/Kg-dry	10	6/21/01 2:55:00 AM
Surr: Tetrachloro-m-xylene	83.2	43-117		%REC	10	6/21/01 2:55:00 AM
Surr: Decachlorobiphenyl	87.2	20-134		%REC	10	6/21/01 2:55:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-28
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-08A **Matrix:** SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082			Analyst: RAP
Atoclor 1016	ND	28	µg/Kg-dry	1	6/21/01 5:54:00 PM
Atoclor 1221	ND	28	µg/Kg-dry	1	6/21/01 5:54:00 PM
Atoclor 1232	ND	28	µg/Kg-dry	1	6/21/01 5:54:00 PM
Atoclor 1242	ND	28	µg/Kg-dry	1	6/21/01 5:54:00 PM
Atoclor 1248	ND	28	µg/Kg-dry	1	6/21/01 5:54:00 PM
Atoclor 1254	ND	28	µg/Kg-dry	1	6/21/01 5:54:00 PM
Atoclor 1260	83	28	µg/Kg-dry	1	6/21/01 5:54:00 PM
Surr: Tetrachloro-m-xylene	74.8	43-117	%REC	1	6/21/01 5:54:00 PM
Surr: Decachlorobiphenyl	66.5	20-134	%REC	1	6/21/01 5:54:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-29
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-09A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	27		µg/Kg-dly	1	6/21/01 6:20:00 PM
Aroclor 1221	ND	27		µg/Kg-dly	1	6/21/01 6:20:00 PM
Aroclor 1232	ND	27		µg/Kg-dly	1	6/21/01 6:20:00 PM
Aroclor 1242	ND	27		µg/Kg-dly	1	6/21/01 6:20:00 PM
Aroclor 1248	ND	27		µg/Kg-dly	1	6/21/01 6:20:00 PM
Aroclor 1254	ND	27		µg/Kg-dly	1	6/21/01 6:20:00 PM
Aroclor 1260	120	27		µg/Kg-dly	1	6/21/01 6:20:00 PM
Surr: Tetrachloro-m-xylene	77.0	43-117		%REC	1	6/21/01 6:20:00 PM
Surr: Decachlorobiphenyl	69.3	20-134		%REC	1	6/21/01 6:20:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-30
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-10A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	68		µg/Kg-dry	1	6/21/01 6:47:00 PM
Aroclor 1221	ND	68		µg/Kg-dry	1	6/21/01 6:47:00 PM
Aroclor 1232	ND	68		µg/Kg-dry	1	6/21/01 6:47:00 PM
Aroclor 1242	ND	68		µg/Kg-dry	1	6/21/01 6:47:00 PM
Aroclor 1248	ND	68		µg/Kg-dry	1	6/21/01 6:47:00 PM
Aroclor 1254	ND	68		µg/Kg-dry	1	6/21/01 6:47:00 PM
Aroclor 1260	ND	68		µg/Kg-dry	1	6/21/01 6:47:00 PM
Surr: Tetrachloro-m-xylene	75.2	43-117		%REC	1	6/21/01 6:47:00 PM
Surr: Decachlorobiphenyl	66.7	20-134		%REC	1	6/21/01 6:47:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-31
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-11A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	270		µg/Kg-dry	10	6/21/01 4:41:00 AM
Aroclor 1221	ND	270		µg/Kg-dry	10	6/21/01 4:41:00 AM
Aroclor 1232	ND	270		µg/Kg-dry	10	6/21/01 4:41:00 AM
Aroclor 1242	ND	270		µg/Kg-dry	10	6/21/01 4:41:00 AM
Aroclor 1248	ND	270		µg/Kg-dry	10	6/21/01 4:41:00 AM
Aroclor 1254	ND	270		µg/Kg-dry	10	6/21/01 4:41:00 AM
Aroclor 1260	6,200	270		µg/Kg-dry	10	6/21/01 4:41:00 AM
Surr: Tetrachloro-m-xylene	73.2	43-117		%REC	10	6/21/01 4:41:00 AM
Surr: Decachlorobiphenyl	69.0	20-134		%REC	10	6/21/01 4:41:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-32
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-12A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	26		µg/Kg-dry	1	6/21/01 7:14:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	6/21/01 7:14:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	6/21/01 7:14:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	6/21/01 7:14:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	6/21/01 7:14:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	6/21/01 7:14:00 PM
Aroclor 1260	100	26		µg/Kg-dry	1	6/21/01 7:14:00 PM
Surr: Tetrachloro-m-xylene	86.8	43-117		%REC	1	6/21/01 7:14:00 PM
Surr: Decachlorobiphenyl	70.1	20-134		%REC	1	6/21/01 7:14:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-33
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-13A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	28		µg/Kg-dly	1	6/21/01 7:40:00 PM
Aroclor 1221	ND	28		µg/Kg-dly	1	6/21/01 7:40:00 PM
Aroclor 1232	ND	28		µg/Kg-dly	1	6/21/01 7:40:00 PM
Aroclor 1242	ND	28		µg/Kg-dly	1	6/21/01 7:40:00 PM
Aroclor 1248	ND	28		µg/Kg-dly	1	6/21/01 7:40:00 PM
Aroclor 1254	ND	28		µg/Kg-dly	1	6/21/01 7:40:00 PM
Aroclor 1260	94	28		µg/Kg-dly	1	6/21/01 7:40:00 PM
Surr. Tetrachloro-m-xylene	65.0	43-117		%REC	1	6/21/01 7:40:00 PM
Surr. Decachlorobiphenyl	44.5	20-134		%REC	1	6/21/01 7:40:00 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-21
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-14A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	280		µg/Kg-dry	10	6/21/01 6:00:00 AM
Aroclor 1221	ND	280		µg/Kg-dry	10	6/21/01 6:00:00 AM
Aroclor 1232	ND	280		µg/Kg-dry	10	6/21/01 6:00:00 AM
Aroclor 1242	ND	280		µg/Kg-dry	10	6/21/01 6:00:00 AM
Aroclor 1248	ND	280		µg/Kg-dry	10	6/21/01 6:00:00 AM
Aroclor 1254	ND	280		µg/Kg-dry	10	6/21/01 6:00:00 AM
Aroclor 1260	7,100,000	700,000		µg/Kg-dry	25000	6/22/01 9:17:00 AM
Surr: Tetrachloro-m-xylene	88.4	43-117		%REC	10	6/21/01 6:00:00 AM
Surr: Decachlorobiphenyl	4,450	20-134	S	%REC	10	6/21/01 6:00:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. **Client Sample ID:** SS-22
Lab Order: 0106093
Project: MDC-Canton 00291 **Collection Date:** 6/6/01
Lab ID: 0106093-15A **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082		Analyst: RAP		
Aroclor 1016	ND	280		µg/Kg-dry	10	6/21/01 6:27:00 AM
Aroclor 1221	ND	280		µg/Kg-dry	10	6/21/01 6:27:00 AM
Aroclor 1232	ND	280		µg/Kg-dry	10	6/21/01 6:27:00 AM
Aroclor 1242	ND	280		µg/Kg-dry	10	6/21/01 6:27:00 AM
Aroclor 1248	ND	280		µg/Kg-dry	10	6/21/01 6:27:00 AM
Aroclor 1254	ND	280		µg/Kg-dry	10	6/21/01 6:27:00 AM
Aroclor 1260	18,000,000	700,000		µg/Kg-dry	25000	6/22/01 9:44:00 AM
Surr: Tetrachloro-m-xylene	217	43-117	S	%REC	10	6/21/01 6:27:00 AM
Surr: Decachlorobiphenyl	11,000	20-134	SE	%REC	10	6/21/01 6:27:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 H - Method prescribed holding time exceeded # - See Case Narrative
 RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Jul-01

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

Project: MDC-Canton 00291

QC SUMMARY REPORT

Method Blank

Sample ID	MB-4743	Batch ID:	4743	Test Code:	SW8082	Units:	µg/Kg	Analysis Date	6/20/01 7:23:00 PM	Prep Date	6/19/01	
Client ID:		Run ID:	GC-ELVIS_010620B	SeqNo:	137119							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	ND	25	µg/Kg									
Aroclor 1221	ND	25	µg/Kg									
Aroclor 1232	ND	25	µg/Kg									
Aroclor 1242	ND	25	µg/Kg									
Aroclor 1248	ND	25	µg/Kg									
Aroclor 1254	ND	25	µg/Kg									
Aroclor 1260	22.83	25	µg/Kg									J
Surr: Tetrachloro-m-xylene	6.944	0	µg/Kg	8	0	86.8	43	117	0			
Surr: Decachlorobiphenyl	5.92	0	µg/Kg	8	0	74	20	134	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.
 Work Order: 0106093
 Project: MDC-Canton 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID 0106093-01AMS		Batch ID: 4743		Test Code: SW8082		Units: µg/Kg-dry		Analysis Date 6/20/01 11:22:00 PM		Prep Date 6/19/01		
Client ID: SS-19				Run ID: GC-ELVIS_010620B				SeqNo: 137165				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	481.2	270	µg/Kg-dry	536.4	0	89.7	28	128	0			
Aroclor 1260	874	270	µg/Kg-dry	536.4	548.6	60.7	28	122	0			
Surr: Tetrachloro-m-xylene	6.168	0	µg/Kg-dry	8.582	0	71.9	43	117	0			
Surr: Decachlorobiphenyl	6.077	0	µg/Kg-dry	8.582	0	70.8	20	134	0			

Sample ID 0106093-01AMSD		Batch ID: 4743		Test Code: SW8082		Units: µg/Kg-dry		Analysis Date 6/21/01 12:16:00 AM		Prep Date 6/19/01		
Client ID: SS-19				Run ID: GC-ELVIS_010620B				SeqNo: 137166				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	478.9	270	µg/Kg-dry	535.3	0	89.5	28	128	481.2	0.478	50	
Aroclor 1260	992.1	270	µg/Kg-dry	535.3	548.6	82.8	28	122	874	12.7	50	
Surr: Tetrachloro-m-xylene	5.717	0	µg/Kg-dry	8.565	0	66.8	43	117	0	0	0	
Surr: Decachlorobiphenyl	6.06	0	µg/Kg-dry	8.565	0	70.8	20	134	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Jul-01

CLIENT: GEI Consultants, Inc.
Work Order: 0106093
Project: MDC-Canton 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-4743	Batch ID:	4743	Test Code:	SW8082	Units:	µg/Kg	Analysis Date	6/20/01 7:50:00 PM	Prep Date	6/19/01	
Client ID:		Run ID:	GC-ELVIS_010620B	SeqNo:	137120							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	421.4	25	µg/Kg	500	0	84.3	44	128	0			
Aroclor 1260	451.3	25	µg/Kg	500	22.83	85.7	47	131	0			
Surr: Tetrachloro-m-xylene	6.8	0	µg/Kg	8	0	85	43	117	0			
Surr: Decachlorobiphenyl	6.26	0	µg/Kg	8	0	78.2	20	134	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-19
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-01A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: ADM
Percent Moisture	7.2	0		wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-19
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-01B	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: RK
Barium	84	26		mg/Kg-dry	1	6/15/01 4:34:57 PM
Lead	28	3.2		mg/Kg-dry	1	6/15/01 4:34:57 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-20
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-02A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	D2216					Analyst: ADM
Percent Moisture	8.9	0		wt%	1	6/13/01

Qualifiers:

ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
H - Method prescribed holding time exceeded	# - See Case Narrative
RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-20
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-02B	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: RK		
Barium	ND	27		mg/Kg-dry	1	6/15/01 4:40:17 PM
Lead	68	3.4		mg/Kg-dry	1	6/15/01 4:40:17 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID: SS-23
Lab Order:	0106093	
Project:	MDC-Canton 00291	Collection Date: 6/6/01
Lab ID:	0106093-03A	Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	D2216					Analyst: ADM
Percent Moisture	19.6	0		wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-23
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-03B	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: RK		
Barium	62	30		mg/Kg-dry	1	6/19/01 12:19:58 PM
Lead	390	3.7		mg/Kg-dry	1	6/19/01 12:19:58 PM

Qualifiers:

ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
H - Method prescribed holding time exceeded	# - See Case Narrative
RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT: GEI Consultants, Inc. Client Sample ID: SS-24

Lab Order: 0106093

Project: MDC-Canton 00291 Collection Date: 6/6/01

Lab ID: 0106093-04A Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	D2216					Analyst: ADM
Percent Moisture	30.9	0		wt%	1	6/13/01

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank E - Value above quantitation range

H - Method prescribed holding time exceeded # - See Case Narrative

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-24
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-04B	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: RK
Barium	170	35		mg/Kg-dry	1	6/15/01 4:45:27 PM
Lead	340	4.4		mg/Kg-dry	1	6/15/01 4:45:27 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-25
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-05A	Matrix:	SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed
PERCENT MOISTURE	D2216				Analyst: ADM
Percent Moisture	16.6	0	wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-25
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-05B	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: RK		
Barium	50	29		mg/Kg-dry	1	6/15/01 4:50:25 PM
Lead	1,200	3.6		mg/Kg-dry	1	6/15/01 4:50:25 PM

Qualifiers:

ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
H - Method prescribed holding time exceeded	# - See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-26
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-06A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: ADM
Percent Moisture	63.2	0		wt%	1	6/13/01

Qualifiers:

ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
H - Method prescribed holding time exceeded	# - See Case Narrative
RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-26
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-06B	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: RK
Barium	730	65		mg/Kg-dry	1	6/15/01 5:04:03 PM
Lead	760	8.1		mg/Kg-dry	1	6/15/01 5:04:03 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-27
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-07A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: ADM
Percent Moisture	34.9	0		wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-27
Lab Order:	0106093	Collection Date:	6/6/01
Project:	MDC-Canton 00291	Matrix:	SOIL
Lab ID:	0106093-07B		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: RK		
Barium	350	37		mg/Kg-dry	1	6/15/01 5:09:13 PM
Lead	2,600	4.6		mg/Kg-dry	1	6/15/01 5:09:13 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-28
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-08A	Matrix:	SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed
PERCENT MOISTURE	D2216				Analyst: ADM
Percent Moisture	13.2	0	wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-29
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-09A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: ADM
Percent Moisture	9.1	0		wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-30
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-10A	Matrix:	SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed
PERCENT MOISTURE	D2216				Analyst: ADM
Percent Moisture	64.1	0	wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-31
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-11A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: ADM
Percent Moisture	9.1	0		wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-32
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-12A	Matrix:	SOIL

Analytes	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: ADM
Percent Moisture	8.4	0		wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-33
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-13A	Matrix:	SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed
PERCENT MOISTURE	D2216				Analyst: ADM
Percent Moisture	11.9	0	wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-21
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-14A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: ADM
Percent Moisture	12.5	0		wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-21
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-14B	Matrix:	SOIL
Analyses	Result	RL Qual Units	DF Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010 SW6010B Analyst: RK			
Barium	64	28	mg/Kg-dry 1 6/15/01 5:15:04 PM
Lead	120	3.5	mg/Kg-dry 1 6/15/01 5:15:04 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-22
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-15A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: ADM
Percent Moisture	12.1	0		wt%	1	6/13/01

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 25-Jun-01

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	SS-22
Lab Order:	0106093		
Project:	MDC-Canton 00291	Collection Date:	6/6/01
Lab ID:	0106093-15B	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: RK		
Barium	ND	27		mg/Kg-dry	1	6/15/01 5:19:53 PM
Lead	79	3.4		mg/Kg-dry	1	6/15/01 5:19:53 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	H - Method prescribed holding time exceeded	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 20-Jun-01

CLIENT: GEI Consultants, Inc.
Work Order: 0106093
Project: MDC-Canton 00291

QC SUMMARY REPORT
Method Blank

Sample ID: MB-4686		Batch ID: 4686		Test Code: SW6010B		Units: mg/Kg		Analysis Date 6/15/01 11:28:20 AM		Prep Date: 6/14/01		
Client ID:				Run ID: ICP-OPTIMA_010615A				SeqNo: 135105				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	ND	20	mg/Kg									
Lead	ND	2.5	mg/Kg									

Sample ID: MB-4699		Batch ID: 4699		Test Code: SW6010B		Units: mg/Kg		Analysis Date 6/19/01 11:22:44 AM		Prep Date: 6/15/01		
Client ID:				Run ID: ICP-OPTIMA_010619B				SeqNo: 136120				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	ND	20	mg/Kg									
Lead	ND	2.5	mg/Kg									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

Project: MDC-Canton 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0106050-01BMS		Batch ID: 4686		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 6/15/01 11:45:05 AM		Prep Date: 6/14/01		
Client ID:		Run ID:		ICP-OPTIMA_010615A		SeqNo:		135109				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	541	26	mg/Kg-dry	515.6	21.55	101	75	125	0			
Lead	260.4	3.2	mg/Kg-dry	257.8	8.146	97.8	75	125	0			

Sample ID: 0106050-01BMSD		Batch ID: 4686		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 6/15/01 11:50:11 AM		Prep Date: 6/14/01		
Client ID:		Run ID:		ICP-OPTIMA_010615A		SeqNo:		135110				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	570.5	27	mg/Kg-dry	533.5	21.55	103	75	125	541	5.31	20	
Lead	264.3	3.3	mg/Kg-dry	266.7	8.146	96	75	125	260.4	1.49	20	

Sample ID: 0106161-01AMS		Batch ID: 4699		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 6/19/01 11:39:17 AM		Prep Date: 6/15/01		
Client ID:		Run ID:		ICP-OPTIMA_010619B		SeqNo:		136124				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	597.8	27	mg/Kg-dry	537.5	80.47	96.2	75	125	0			
Lead	392.5	3.4	mg/Kg-dry	268.7	154.3	88.7	75	125	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.
Work Order: 0106093
Project: MDC-Canton 00291

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Sample ID: 0106161-01AMSD		Batch ID: 4699		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 6/19/01 11:44:06 AM			Prep Date: 6/15/01		
Client ID:		Run ID: ICP-OPTIMA_010619B		SeqNo: 136125									
Analyte	QC Sample	RL	Units	QC Spike	Original Sample		LowLimit	HighLimit	Original Sample		%RPD	RPDLimit	Qu
	Result			Amount	Result	%REC			or MS Result				
Barium	667.6	27	mg/Kg-dry	543.9	80.47	108	75	125	597.8	11	20		
Lead	552.1	3.4	mg/Kg-dry	272	154.3	146	75	125	392.5	33.8	20	SR	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0106093

Project: MDC-Canton 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: LCS-4686		Batch ID: 4686		Test Code: SW6010B		Units: mg/Kg		Analysis Date 6/15/01 11:31:14 AM		Prep Date: 6/14/01		
Client ID:		Run ID: ICP-OPTIMA_010615A		SeqNo: 135106								
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	403.9	20	mg/Kg	400	0	101	80	120	0			
Lead	201.8	2.5	mg/Kg	200	0	101	80	120	0			

Sample ID: LCS-4699		Batch ID: 4699		Test Code: SW6010B		Units: mg/Kg		Analysis Date 6/19/01 11:25:38 AM		Prep Date: 6/15/01		
Client ID:		Run ID: ICP-OPTIMA_010619B		SeqNo: 136121								
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	405	20	mg/Kg	400	0	101	80	120	0			
Lead	199.6	2.5	mg/Kg	200	0	99.8	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.